

WASHINGTON STATE HYDROLOGY BY THE RATIONAL FORMULA

SR	PROJECT	
MADE BY		DATE

$TC = \frac{(\triangle L)^{1.5}}{K(\triangle H)^{0.50}} = \frac{\triangle L}{K(S)^{0.50}}$ $I = \frac{m}{(Tc)^{n}}$ $Q = (\ge CA) I$

LEGEND							
Q = Flood discharge (cfs)	Tc = Time of concentration (min)						
△L = Length of drainage basin (ft)	m & n = Rainfall coefficients						
	C = Runoff coefficient						
→ H = Height of drainage basin (ft)	A = Drainage area (acres)						
K = Ground cover coef. (ft/min)	≥CA = Total effective impervious area (Acres)						
N = Ground Cover Coef. (II/IIIII)	S = Average Slope (ft/ft)						

DESCRIPTION OF AREA	MRI (yrs.) (ft)	ДΗ	S	К	Тс	RAINFALL COEF		1	С	Α	≥ca	Q	
52001111 11011 GI 711127		(ft)	(ft)	(ft/ft)	(ft/min)	(min)	m	n	(in/hr)		(Acres)	(Acres)	(cfs)
										:			
										-			
											į		
								:					
				-									
FORM OUT OND							l						